

UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Phelps Dodge Fuel Development Corporation

3. ADDRESS OF OPERATOR

Energy Center 1720, 717 17th St., Denver, CO

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

100' FNL & 30' FWL (NW NW)

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE

Location is 22.4 miles northeast of Monticello

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

30'

16. NO. OF ACRES IN LEASE

2560

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

1300'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

10

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5938' GR

22. APPROX. DATE WORK WILL START*

ASAP

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
16"	13"	Conductor	30'	Cement to surface
12 1/4"	9 5/8" New	36# H 8rd	280'	150 sx. regular + additives Circ
8 3/4"	7" New	23# J 8rd	1300'	100 sx. regular + additives

1. Drill 16" hole and set 13" Conductor pipe to 30' and cement in surface.
2. Drill 12 1/4" hole and set 9 5/8" surface casing to 280' with good returns, Circulate Cement.
3. Log ~~B O P~~ checks in daily drill reports and drill 8 3/4" hole to 1300'.
4. Run tests if warranted and run 7" casing if productive.
5. Run logs, as needed, and perforate and stimulate as needed.

EXHIBITS ATTACHED

- "A" Location and Elevation Plat
- "B" The Ten-Point Compliance Program
- "D" The Multi-Point Requirements for A.P.D.
- "E" & "E₁" Access Road Maps to Location
- "F" Radius Map of Field
- "G" & "G₁" Drill Pad Layout, Production Facilities & Cut-Fill Cross Sections
- "H" Drill Rig Layout

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

TITLE

DATE

6-23-81

(This space for Federal or State office use)

PERMIT NO.

UTAH DIVISION OF OIL, GAS & MINING

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

1588 W. NORTH TEMPLE

SALT LAKE CITY, UT. 84116

DATE

6/25/81

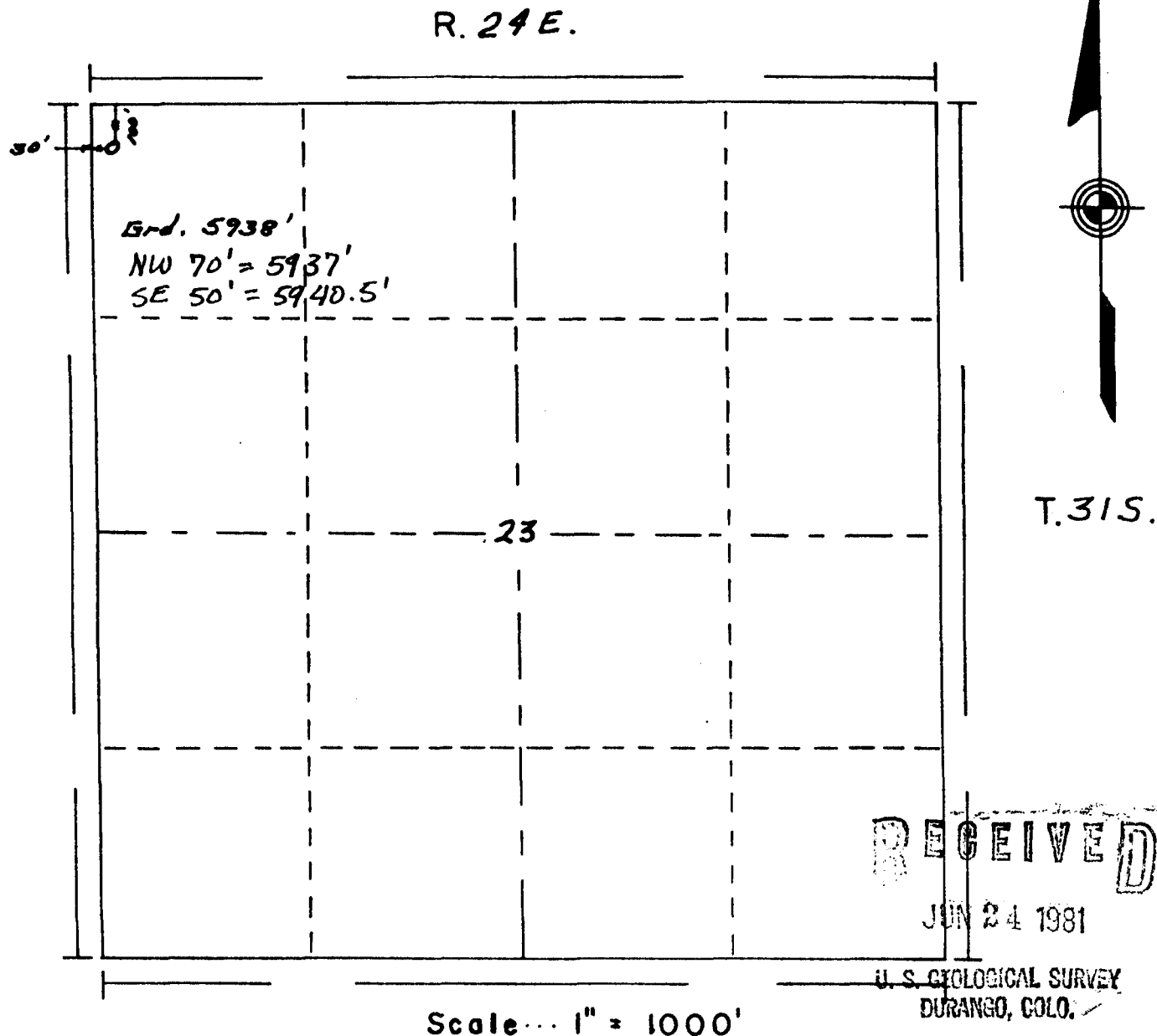
STIPULATIONS

ATTACHED

APPROVED FOR A PERIOD
NOT TO EXCEED 1 YEAR."APPROVAL TO HAVE GRANTED
WHILE DRILLING AND TESTING."



Location and Elevation Plat

**Powers Elevation of Denver, Colorado**

has in accordance with a request from *Bill Addington*
for *Phelps Dodge Fuel Development Corporation*
determined the location of *East Canyon Unit # 1*
to be *100' FNL & 30' FWL* Section 23 Township 31 South
Range 24 East Salt Lake Meridian
San Juan County, Utah

I hereby certify that this plat is an
accurate representation of a correct
survey showing the location of
East Canyon Unit # 1

Date: 17 June 81

[Signature]
Licensed Land Surveyor No. 2711
State of Utah

EXHIBIT "B"
TEN-POINT COMPLIANCE PROGRAM
OF NTL-6 APPROVAL OF OPERATIONS

Attached to Form 9-331C
Phelps Dodge Fuel Development Corporation
East Canyon Unit #1
NW NW Sec. 23 T31S R24E
100' FNL & 30' FWL
San Juan County, Utah

1. The Geologic Surface Formation

The surface formation is the Navajo Sand.

2. Estimated Tops of Important Geologic Markers

Navajo	Surface
Kayenta	280'
Windgate	480'
Chinle	855'
Total Depth	1300'

3. Estimated Depths of Anticipated Water, Oil, Gas or Minerals

Navajo	Surface	Water in small amounts
Kayenta	280'	Water in small amounts
Windgate	480'	Water in small amounts
Chinle	855'	Water in small amounts
Chinle	1215'	Oil

4. The Proposed Casing Program

<u>HOLE SIZE</u>	<u>INTERVAL</u>	<u>SECTION LENGTH</u>	<u>SIZE (OD)</u>	<u>WEIGHT, GRADE & JOINT</u>	<u>NEW OR USED</u>
16"	0-30'	30'	13"	Conductor pipe	---
12-1/4"	0-280'	280'	9-5/8"	36# H 8rd	New
8-3/4"	0-1300'	1300'	7"	23# J 8rd	New

Cement Program -

Conductor - Cement to surface.

Surface Casing - Cement to surface, 150 sx. regular.

Production Casing - Cement with ¹⁰⁰~~75~~ sx. regular.

5. The Operator's Minimum Specifications for Pressure Control

A blowout preventer will not be used. A rotating head will be used while drilling with air, stiff foam or mud mist. This well is 50' from an earlier well drilled to 1419' with no surface control.

6. The Type and Characteristics of the Proposed Circulating Muds

This well will be drilled with air or air mist from surface to total depth. Exhaust will be muffled. Other materials will be on site to handle any anticipated down hole problems as well as possible spill of fluid on the surface.

<u>DEPTH</u>	<u>TYPE</u>	<u>WEIGHT #/gal.</u>	<u>VISCOSITY-sec./qt.</u>	<u>FLUID LOSS cc</u>
0-1215'	Air, stiff foam and/or mud mist	---	---	---
1215'-1300'	Air	---	---	---

7. The Auxiliary Equipment to be Used

- (a) An upper and lower kelly cock will not be kept in the string.
- (b) A float will not be used at the bit.
- (c) Neither a mud logging unit nor gas detecting device will be monitoring the system.
- (d) A stabbing valve will not be on the floor to be stabbed into the drill pipe when kelly is not in the string.
- (e) Fire prevention sub will be above pit in drill string.

8. The Testing, Logging and Coring Programs to be Followed

- (a) No Drill Stem Tests are anticipated.
- (b) No logging program is anticipated. *Unless warranted*
- (c) The zone below 1215' will be cored.
- (d) Completion program will be to oil-water-sand-acid, etc. Appropriate Sundry Notice will be submitted for approval.

9. Any Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures have been noted or reported in wells drilled in the area nor at the depths anticipated in this well.

No hydrogen sulfide or other hazardous fluids or gases have been found, reported or known to exist at these depths in the area.

10. Anticipated Starting Date and Duration of the Operations

The anticipated starting date is set for June 25, 1981, or as soon as possible after examination and approval of drilling requirements. Operations should be completed within 10-15 days after spudding the well and drilling to casing point.

MEMO

From: Stephanie Haddock Date: 6-23-81

To: _____

The lease expires 6-30-81

Please expedite this.

Thank you.

Donna Faust

*Utah 324-4590
col. 247-5144*

RECEIVED

JUN 24 1981

**DIVISION OF
OIL, GAS & MINING**



POWERS ELEVATION

A DIVISION OF PETROLEUM INFORMATION CORP.



POWERS ELEVATION

OIL WELL ELEVATIONS AND LOCATIONS
CHERRY CREEK PLAZA, SUITE 1201
800 SOUTH CHERRY STREET
DENVER, COLORADO 80222
PHONE NO. 303/321-2217

June 24, 1981

State of Utah
Division of Oil, Gas, and Minerals
1588 West North Temple
Salt Lake City, Utah 84116

RE: Filing Application for Permit to Drill
Phelps Dodge Fuel Development Corporation
East Canyon Unit #1
NW NW Sec. 23 T31S R24E
100' FNL & 30' FWL
San Juan County, Utah

Gentlemen:

Enclosed are three copies each of the Federal A.P.D. Form 9-331C, the Location and Elevation Plat, and the Ten-Point Compliance Program for the above referenced well location.

Please return the approved copies to:

Mr. Fred Peel
Phelps Dodge Fuel Development Corporation
Energy Center 1720
717 17th Street
Denver, Colorado 80202

Very truly yours,

POWERS ELEVATION

Connie L. Frailey

Connie L. Frailey
Manager, Environmental Services

CLF:mm
Enclosures

cc: Mr. Fred Peel
Mr. H.W. Addington & Associates, 620 Petroleum Bldg., Denver, CO 80202

RECEIVED

JUN 24 1981

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OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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24.

SIGNED

TITLE

DATE

6-23-81

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE DIVISION
OF OIL, GAS AND MINING

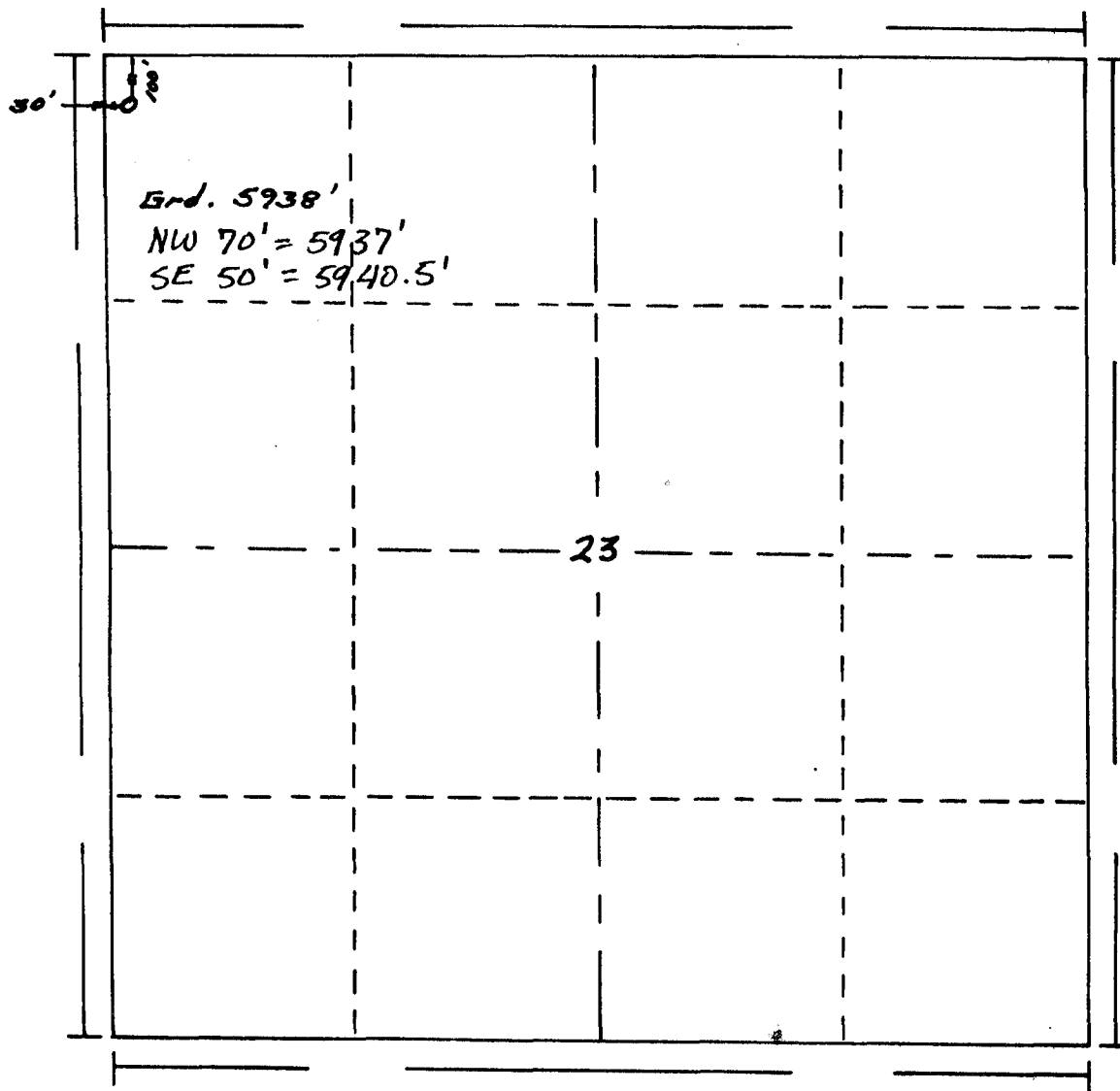
DATE: 6-30-81

BY: *W. J. Munder*



Location and Elevation Plat

R. 24 E.



T. 31 S.

Scale... 1" = 1000'

Powers Elevation of Denver, Colorado
has in accordance with a request from *Bill Addington*
for *Phelps Dodge Fuel Development Corporation*
determined the location of *East Canyon Unit # 1*
to be *100' FNL & 30' FNL* Section 23 Township 31 South
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San Juan County, Utah

I hereby certify that this plat is an
accurate representation of a correct
survey showing the location of
East Canyon Unit # 1

Date: 17 June 81

T. Nelson
Licensed Land Surveyor No. 2711
State of Utah

EXHIBIT "B"
TEN-POINT COMPLIANCE PROGRAM
OF NTL-6 APPROVAL OF OPERATIONS

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10. Anticipated Starting Date and Duration of the Operations

The anticipated starting date is set for June 25, 1981, or as soon as possible after examination and approval of drilling requirements. Operations should be completed within 10-15 days after spudding the well and drilling to casing point.

** FILE NOTATIONS **

DATE: June 29, 1981

OPERATOR: Phelps Dodge Fuel Devel. Corp

WELL NO: ~~East~~ Canyon Unit #1

Location: Sec. 23 T. 31S R. 24E County: San Juan

File Prepared: ☒

Entered on N.I.D: ☒

Card Indexed: ☒

Completion Sheet: ☒

API Number 43-037-30691

CHECKED BY:

Petroleum Engineer: M. J. Minder 6-30-81

Director: _____

Administrative Aide: OK as per Rule C-3, as on other oil
gas wells, too close to boundary lines

APPROVAL LETTER:

Unit Approval

Bond Required: ☐

Survey Plat Required: ☐

Order No. _____

O.K. Rule C-3 ☐

Rule C-3(c), Topographic Exception - company owns or controls acreage
within a 660' radius of proposed site ☐

Lease Designation ☒

Plotted on Map ☐

Approval Letter Written ☐

Hot Line ☒

P.I. ☒

June 30, 1981

Phelps Dodge Fule Development Corp.
Energy Center 1720, 717 17th Street
Denver, Colo. 80202

RE: Well No. Canyon Unit #1
Sec. 23, T. 31S, R. 24E,
San Juan County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Prodedure.

not Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer
Office: 533-5771
Home: 876-3001

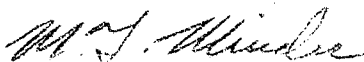
Enclosed Please Find Form OGC-8-Xm which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 houes after drilling operations commence, and that hte drilling contractor and rig number be identified,.

The API Number assigned to this well is 43-037-30691.

Sincerely,

DIVISION OF OIL, GAS, AND MINING



Michael T. Minder
Petroleum Engineer

MTM/db
CC: USGS

DIVISION OF OIL, GAS AND MINING

PLUGGING PROGRAM

NAME OF COMPANY: Phelps Dodge Fred Peet

WELL NAME: East Canyon #1

SECTION NW 23 TOWNSHIP 31S RANGE 24E COUNTY San Juan

VERBAL APPROVAL GIVEN TO PLUG AND ABOVE REFERRED TO WELL IN THE FOLLOWING MANNER:

TOTAL DEPTH: 1400'

CASING PROGRAM:

- 13 3/8" @ 20' circulated
- 9 5/8" @ 318' circulated
- 7" @ 1200' (TOC 500-600')

FORMATION TOPS:

Navajo-	surface
Kayenta-	280'
Wingate-	585' Glen Canyon Group
Chinle-	875'-TD

PLUGS SET AS FOLLOWS:

- 1. 1400-1150'
- 4. 50'-surface ^{1/2} inside & outside of ^{1/2} 9 5/8" casing.

Place 9.5#, 50 vis. fresh water gel based mud; erect ^{between plugs} regulation dry hole marker; clean up, grade and restore the location.

- Per Phone Conversation Hal Addington 7/7/81
- 2. Part casing ⁶²⁰⁻⁵²⁹ at 500' ± place 100' plug across. 7" casing stub.
 - 3. 368'-288'
 - 4. 50'-surf

DATE 7-6-81 SIGNED MTM M.S.M.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-15924

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NA

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

East Canyon Unit

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 23, T31S, R24E

12. COUNTY OR PARISH 13. STATE

San Juan

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. ☐ OIL WELL ☐ GAS WELL ☐ OTHER Dry Hole

2. NAME OF OPERATOR
Phelps Dodge Fuel Development Corporation

3. ADDRESS OF OPERATOR
Energy Center 1720, 717 - 17th St., Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

100' FNL & 30' FWL (NW NW)

14. PERMIT NO.
API 43-037-30691

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5938' GL

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data:

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☒(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting and proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Well was plugged and abandoned on July 7, 1981 as follows:

1. Plugged 1400' to 1150' with 50 sacks cement, 2% Calcium Chloride.
2. Displaced with gel mud.
3. Shot off and pulled 19 joints (569') of 7" - 23#/ft casing.
4. Plugged 620' to 520' with 35 sacks cement, 2% Calcium Chloride.
5. Plugged 368' to 268' with 36 sacks cement, 2% Calcium Chloride.
6. Plugged 50' to surface with 20 sacks cement, 2% Calcium Chloride.

Released rig at midnight 7/7/81.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MININGDATE: 10-15-81
BY: M. T. Munder

18. I hereby certify that the foregoing is true and correct

SIGNED: H. W. Addington

TITLE Consulting Engineer

DATE 7/10/81

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-
structions on
reverse side)Approved
By: Mr. Bureau No. 4-10-17

LEASE DESIGNATION AND SERIAL NO.

U-15924

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME NA	
b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other <u>Abandon</u>		7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR Phelps Dodge Fuel Development Corporation		8. FARM OR LEASE NAME East Canyon Unit	
3. ADDRESS OF OPERATOR Energy Center 1720, 717 - 17th St., Denver, CO 80202		9. WELL NO. 1	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 100' FNL & 30' FWL (NW NW) At top prod. interval reported below Same At total depth Same		10. FIELD AND POOL, OR WILDCAT Wildcat	
14. PERMIT NO. API 43-037-30691		DATE ISSUED 6/30/81	
15. DATE SPUDDED 6/30/81		16. DATE T.D. REACHED 7/7/81	
17. DATE COMPL. (Ready to prod.) 7/7/81		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* GL 5938'	
19. ELEV. CASINGHEAD		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 23, T31S-R24E	
20. TOTAL DEPTH, MD & TVD 1400'		21. PLUG, BACK T.D., MD & TVD Surface	
22. IF MULTIPLE COMPL., HOW MANY* None		23. INTERVALS DRILLED BY All	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* None		25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN GR-D-Res.-SP		27. WAS WELL CORED Yes	

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"		20'		To surface	None
9-5/8"	38#	318' KB	12-1/4"	200 sacks	None
7"	23#	1206'	8-3/4"	100 sacks	569'

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
None					None		

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
None		None	

33.* PRODUCTION							
DATE FIRST PRODUCTION None		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
DATE OF TEST Dry Hole	HOURS TESTED	CHUCK SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY
--	--	--	--	--	--	-------------------

35. LIST OF ATTACHMENTS							
-------------------------	--	--	--	--	--	--	--

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED H. W. Addington TITLE Consulting Engineer DATE 7/10/81

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal, State, or local laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH, INTERVAL, TEST, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	LOGS		DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS	TOP
	TOP	BOTTOM		NAME	MEAS. DEPTH
Navajo	-0-	280'	SS, vf & fgr to mgr, white to tan, 99% sand, 1% CaCO ₃ - water.	Navajo	0
Kayenta	280'	560'	SS, vf to fgr, white to tan, w/red and purple sltstn. - water	Kayenta	280
Wingate	560'	856'	SS, vfg to fg, white to tan - water	Wingate	560
Chinle	856'	TD	Sltstn, Hema. red, w/SS, white to clear w/green sltstn.	Chinle	856
CORE: #1	1200'	1220'	Shale, slty, NS, No water		
#2	1220'	1247'	Shale & Siltstn, NS, No water		
#3	1350'	1380'	Shale, SS & Sltstn. Lost bottom 10'. No perm. No por. NS. No water.		
Interval below 1200' drilled with air. Had no water entry. Interval 0' to 318' not tested. Interval 318-1200' made 35 gal water/minute.					

July 27, 1981

Phelps Dodge Fuel Development Corporation
Energy Center 1720
717 17th Street
Denver, Colorado 80202

Re: Well No. East Canyon Unit #1
Sec. 23, T. 31S, R. 24E
San Juan County, Utah

Gentlemen:

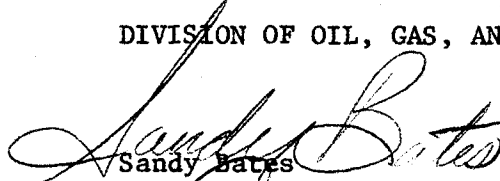
This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING


Sandy Bates
Clerk-Typist

/lm
Enclosures

DAILY DRILLING ACTIVITY

Phelps Dodge Fuel Development Corporation #1 Canyon Unit
100' FNL & 30' FWL
Section 23-31S-24E
San Juan County, Utah

Elevation 5938' GL

RECEIVED

JUL 10 1981

6/30/81	1:30 p.m. 3:30 p.m. 5:30 p.m.	Spud. Run 16" conductor, 16.80' set @ 2018.00 K.B. w/7 sx. reg. cmt., 1 sx. P.C. COL, GAS & MINING Drlg. 12-1/4" surface hole (cont. to 12:00 midnight).
7/1/81	12:00 a.m. to 7:30 a.m. 7:30 a.m. to 8:30 a.m. 8:30 a.m. to 10:00 a.m. 10:00 a.m. to 2:00 p.m. 2:00 p.m. to 3:00 p.m. 3:00 p.m. to 4:30 p.m.	Drlg. 12-1/4" to 320' K.B. Changed from air to water & circulated. Laid down drill pipe & collars. Ran 10 jts. 38# 9-5/8" w/ comb. float & shoe, set @ 318.19 K.B. Wait on Halliburton. Cemented w/20 bbls. gel water, pumped 18 bbls., established circulation. Mixed & pumped 20 bbls. gel water, 14 to break circulation. Cemented w/200 sx. Class B w/2% Ca. Mixed 1/4# gel flake/sack of cement, mixed 42 bbls. slurry; 2 min. to drop plug, started pumping, pressured up in 1 min., max. press. < 1000#, shut down w/14 bbls. in pipe. Cement @ 55' between hole and casing.
7/2/81	4:30 p.m. to 12:00 a.m. 12:00 a.m. to 12:30 a.m. 12:30 a.m. to 4:30 a.m. 4:30 a.m. to 12:30 p.m. 12:30 p.m. to 2:00 p.m. 2:00 p.m. to 7:00 p.m. 7:00 p.m. to 9:00 p.m.	WOC. WOC. Drilling cement (tagged in csg. @ 130' K.B.) Drilling 8-3/4" hole. Tripped out & put float, sub and drilling nipple on. Drilling. Trip out of hole to check bit (string dropped @ 7:00 p.m.).
7/3/81	9:00 p.m. to 12:00 p.m. 12:00 p.m. to 2:30 a.m. 2:30 p.m. to 4:00 a.m. 4:00 a.m. to 5:30 a.m. 5:30 a.m. to 6:30 a.m. 6:30 a.m. to 4:00 p.m. 4:00 p.m. to 5:30 p.m. 5:30 p.m. to 6:00 p.m. 6:00 p.m. to 8:15 p.m. 8:15 p.m. to 10:45 p.m.	Drilling. Drilling. Repair drilling head. Drilling. Rig repair. Drilling. TD 1200' K.B. Blow hole, est. water volume @ 35 gals./min. Start out of hole, pulled 7 joints, tight hole. Mud up and circulate. Short trip to 800', several tight spots, worked clear and trip out.
7/4/81	10:45 p.m. to 12:00 a.m. 12:00 a.m. to 2:00 a.m. 2:00 a.m. to 8:00 a.m. 8:00 a.m. to 10:00 a.m. 10:00 a.m. to 12:00 a.m.	Logging, log went to 1094.5' K.B. Logging. Running 7" casing, guide shoe on bottom 1st jt., insert float on top of 1st jt., centralizers on 1st 4 jts. and on 7th jt. Wash casing to TD approximately 9'. Cement w/Halliburton - mixed 50 sx. gel, follow w/4 bbls. water, followed w/100 sx. Class B cement, 1/4# Flocele per 100 sx. cement. Plug down @ 11:40 p.m.

Daily Drilling Activity
#1 Canyon Unit
Page 2

7/5/81	12:00 p.m. to 12:00 a.m.	WOC.
	12:00 a.m. to 8:00 a.m.	WOC.
	8:00 a.m. to 11:30 a.m.	Drilled plug, float, 30' cement and shoe.
	11:30 a.m. to 12:30 a.m.	Blow hole dry.
	12:30 a.m. to 1:30 p.m.	Strap out.
	1:30 p.m. to 3:30 p.m.	Picked up core barrel, trip in hole, started coring @ 1200'.
	3:30 p.m. to 5:15 p.m.	Cored 20', rec. 18', lost 2' (core barrel had jammed).
	5:15 p.m. to 7:00 p.m.	Trip out w/core and laid Core #1 down.
	7:00 p.m. to 7:45 p.m.	Trip in hole for Core #2.
	7:45 p.m. to 10:00 p.m.	Cut 27' on Core #2; TD @ 1247'.
	10:00 p.m. to 11:00 p.m.	Trip out w/core, cut 27'. Rec. 27' and laid core barrel down.
7/6/81	11:00 p.m. to 12:00 a.m.	Trip in hole w/6-1/4" tooth bit.
	12:00 a.m. to 1:15 a.m.	Drilling TD @ 1350'.
	1:15 a.m. to 2:15 a.m.	Tripped out for core barrel and bit.
	2:15 a.m. to 3:00 a.m.	Picked up core barrel and trip in hole.
	3:00 a.m. to 6:00 a.m.	Cut 30' core, 1350' - 1380'.
	6:00 a.m. to 7:15 a.m.	Trip out w/core and lay barrel down. Core #3 - rec. 20', lost 10' off bottom.
	7:15 a.m. to 8:30 a.m.	Trip in and ream hole.
	8:30 a.m. to 9:00 a.m.	Drilling to 1400' and TD.
	9:00 a.m. to 10:00 a.m.	Trip out of hole.
	10:00 a.m. to 11:30 a.m.	Logging.
	11:30 a.m. to 7:00 p.m.	WOO - rig on standby.
7/7/81	7:00 p.m. to 12:00 a.m.	Rig shut down.
	12:00 a.m. to 7:00 a.m.	Rig shut down - no charge.
		P & A
	12:00 p.m.	Rig released.

Phelps Dodge Fuel Development Corporation #1 Canyon Unit
 100' FNL & 30' FWL
 Section 23-31S-24E
 San Juan County, Utah

SAMPLE DESCRIPTION

Navajo fm. on surface

<u>Jn</u>		
0 -	20'	Ss, vf & fgr to mgr, red staining w/red siltstone & mud stone, w/srt., friable subrnd. to subanglr., assoc. drk. mineral <1%, CaCO ₃ cement
20 -	40'	Ss, vf & fgr to mgr., white to tan, individual qtz gr clear to frosted, subanglr. to subrnd., well sorted, friable when chips are present, assoc. drk. mineral <1%, some CaCO ₃ cement, 99%+ qtz. grains
40 -	60'	SAA w/tr assoc. green mineral
60 -	80'	SAA
80 -	100'	SAA
100 -	120'	SAA
120 -	140'	SAA w/chips hard sltstn., brittle & hematite stn.
140 -	160'	SAA
160 -	180'	SAA
180 -	200'	SAA
200 -	220'	SAA
220 -	240'	SAA
240 -	260'	SAA
260 -	280'	SAA Base of Navajo - top of Kayenta approximately 280'
<u>Jk @ 280'</u>		
280 -	300'	Ss, vf to fgr, white to tan, individual grs. clear to frosted w/vf sltstn; hard chips, some CaCO ₃ cementation (slightly reactive to 10% HCl)
300 -	320'	SAA - decreasing tan color, slightly gry, 65% chips
320 -	340'	SAA - mostly white w/light gry
340 -	360'	Ss, vf & fgr to mgr, red & purplish sltstn., chips hard, well sorted, 90%+ qtz., abd. grs. assoc. dk mineral w/tr gr qtz., ind. grns., cl. frosted & smoky, v reactive to 10% HCl friable sand, subrnd., subangl. w/some angl.
360 -	380'	SAA
380 -	400'	SAA
400 -	420'	SAA
420 -	440'	SAA vf, wh. to lt. gr red stn
440 -	460'	SAA
460 -	480'	SAA
480 -	500'	SAA
500 -	520'	SAA
520 -	540'	SAA
540 -	560'	SAA
560 -	580'	SAA
580 -	600'	Ss, vfg to fg, wh to tan, subang. to subrnd, well sorted, v slight re-action to 10% HCl, tr drk assoc. mineral, 99%+ clear qtz grns, no chips, some cavings
<u>Tr wg @ 585'</u>		
600 -	620'	SAA
620 -	640'	SAA
640 -	660'	SAA

Sample Description
#1 Canyon Unit
Page 2

660 - 680'	SAA
680 - 700'	SAA
700 - 720'	SAA
720 - 740'	SAA
740 - 760'	SAA
760 - 780'	SAA
780 - 800'	SAA w/20% sltstn., hard, non-reactive, some frosted grains
800 - 820'	SAA
820 - 840'	SAA (all vfg, v slightly reactive)
840 - 860'	SAA
860 - 880'	SAA w/slight hematite stn, color reddish tan & mgr - 2% blk sltstn.
Tr c @ 875'	& red sltstn., moderately reactive to HCl, tr assoc drk mineral
880 - 900'	Sltstn., hematite red, clear & frosted qtz grains w/drak mineral red matrix, most react to 10% HCl, qtz, greenish sltstn., slight reaction to HCl - 99% qtz grs, mostly chips approximately 95%
900 - 920'	Ss, vfg - same as 860 - 880'
920 - 940'	Sltstn. red w/grs of vfg ss white to clear, 10% chips green qtz, sltstn, hard brittle platy
940 - 960'	SAA - w/approximately 15% gr, and approximately 15% - 20% green sltstn.
960 - 980'	SAA
980 - 1000'	SAA
1000 - 1020'	SAA
1020 - 1040'	SAA
1040 - 1060'	SAA
1060 - 1080'	SAA
1080 - 1100'	SAA
1100 - 1120'	SAA
1120 - 1140'	SAA
1140 - 1160'	SAA
1160 - 1180'	SAA
1180 - 1200'	SAA

Phelps Dodge Fuel Development Corporation #1 Canyon Unit
100' FNL & 30' FWL
Section 23-31S-24E
San Juan County, Utah

Core #1 Cored from 1200' - 1220' Recovered 18'

1200'	- 1201'	Lost
1201'	- 1205.5'	Sh, slty, red brn, laminated, mostly qtz. grns.
1205.5'	- 1218.0'	Sh, slty, red brn & grayish w/green gry sh. Laminae approx. 1/4" thick, sltly slty
1218.0'	- 1218.5'	Clay pebble cgl. w/lenses sltstn., shly md drk gry slightly reddish
1218.5'	- 1218.7'	Sh, slty, qtz grns, slightly reactive to HCl sol., med. drk. gry
1218.7'	- 1219.0'	Clay pebble cgl w/lenses sltstn., shly med. drk gry & slightly reddish
1219.0'	- 1220.0'	Lost

Core #2 Cored from 1220' - 1247' Recovered 27'

1220.0'	- 1227.0'	Sh, slty, 75% qtz gr's, w/accessory drk mineral & tr of green qtz, slightly reactive to 10% HCl solution.
1227.0'	- 1227.4'	Sh, md drk gry
1227.4'	- 1228.0'	Sh, slty, md drk gry, sltly reactive to 10% HCl solution, mostly qtz grs.
1228.0'	- 1231.1'	Sltstn., md drk gry, 70% qtz grs, w/accessory drk minerals subrnd (hornblende & biotite?) readily reactive to 10% HCl solution, no fluorescence
1231.1'	- 1231.2'	Sh, md drk gry
1231.2'	- 1239.3'	Sltstn, md drk gry, 75% qtz grs, w/accessory drk minerals subrnd (hornblende & biotite?) readily reactive to 10% HCl solution, no fluorescence
1239.3'	- 1247.0'	Sh, slty md drk gry

Core #3 Cored from 1350' to 1380' Recovered 20'

1350.0'	- 1355.3'	Sh, slty w/tr vfg ss lenses, lt to md drk gry, v slightly reactive to 10% HCl solution, sand and slt grs are qtz, no fluor
1355.3'	- 1357.7'	SS vfg - fg, md gry, clay filled, no visible porosity or permeability, v slightly reactive to HCl, qtz grs are clear, frosted and smokey, some concoidal fractured grs, 90% qtz content, no fluorescence, subrnd w/subang grs well sorted
1357.7'	- 1359.7'	Sltstn, md gry w/tr of vfg ss, mostly qtz grs, no fluorescence
1359.7'	- 1361.7'	Ss, fg to md g, md drk gry, clay filled, no visible porosity or permeability, v slightly reactive to 10% HCl solution, 90% qtz, grs are clear, frosted and smokey, concoidal fracturing, no fluorescence, no odor, subrnd, w/subang grs, well srted
1361.7'	- 1370.0'	Sltstn, md gry w/tr vfg qtz grs, no fluorescence
1370'	- 1380'	Lost

All cores were diamond air drilled. No breaks in dusting occurred.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT **TRIPPLICATE***
(Other instructions on
reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER Dry Hole		5. LEASE DESIGNATION AND SERIAL NO. U-15924
2. NAME OF OPERATOR Phelps Dodge Fuel Development Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME NA
3. ADDRESS OF OPERATOR Energy Center 1720, 717 - 17th St., Denver, CO 80202		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 100' FNL & 30' FWL (NW NW)		8. FARM OR LEASE NAME East Canyon Unit
14. PERMIT NO. API 43-037-30691		9. WELL NO. 1
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5938' GL		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA Sec. 23, T31S, R24E
		12. COUNTY OR PARISH 13. STATE San Juan Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input checked="" type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Abandon the well with the following procedure approved by Mr. Carl Marrick, USGS, Durango, Colorado 7/7/81.

1. Plug from TD (1400') to 1150' with cement.
2. Displace #1 with gel mud.
3. Pull 7" casing that is free.
4. Place 100' cement plug across top of 7" left in hole (50' inside - 50' outside).
5. Place 100' cement plug across shoe of 9-5/8" casing (50' inside - 50' outside).
6. Place cement in top 50' of 9-5/8"

**APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING**

DATE: 8-10-81

BY: [Signature]

RECEIVED

AUG 3 1981

DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct.

SIGNED H. W. Addington

TITLE Consulting Engineer

DATE 7/10/81

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other _____				5. LEASE DESIGNATION AND SERIAL NO. U-15924	
b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other <u>Abandon</u>				6. IF INDIAN, ALLOTTEE OR TRIBE NAME NA	
2. NAME OF OPERATOR Phelps Dodge Fuel Development Corporation				7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR Energy Center 1720, 717 - 17th St., Denver, CO 80202				8. FARM OR LEASE NAME East Canyon Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 100' FNL & 30' FWL (NW NW) At top prod. interval reported below Same At total depth Same				9. WELL NO. 1	
14. PERMIT NO. API43-037-30691				DATE ISSUED 6/25/81	
15. DATE SPUDDED 6/30/81		16. DATE T.D. REACHED 7/7/81		17. DATE COMPL. (Ready to prod.) 7/7/81	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* GL 5938'		19. ELEV. CASINGHEAD			
20. TOTAL DEPTH, MD & TVD 1400'		21. PLUG, BACK T.D., MD & TVD Surface		22. IF MULTIPLE COMPL., HOW MANY* None	
23. INTERVALS DRILLED BY →		ROTARY TOOLS All		CABLE TOOLS --	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* None				25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN <u>GR-D-Res.-SP</u>				27. WAS WELL CORED Yes	
28. CASING RECORD (Report all strings set in well)					
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)	
13-3/8"				20'	
9-5/8"		38#		318' KB	
7"		23#		1206'	
HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED	
12-1/4"		To surface		None	
8-3/4"		200 sacks		None	
		100 sacks		569'	
29. LINER RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	
None					
30. TUBING RECORD					
SIZE	DEPTH SET (MD)	PACKER SET (MD)			
None					
31. PERFORATION RECORD (Interval, size and number)					
None					
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
DEPTH INTERVAL (MD)			AMOUNT AND KIND OF MATERIAL USED		
None					
33. PRODUCTION					
DATE FIRST PRODUCTION None		DIVISION OF OIL, GAS & MINING			WELL STATUS (Producing or shut-in) P + A
DATE OF TEST Dry Hole	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.
WATER—BBL.	OIL GRAVITY-API (CORR.)				
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)			TEST WITNESSED BY		
35. LIST OF ATTACHMENTS					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					
SIGNED H. W. Addington		TITLE Consulting Engineer		DATE 7/30/81	

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Navajo	-0-	280'	SS, vf & fgr to mgr, white to tan, 99% sand, 1% CaCO ₃ - water	Navajo	0	
Kayenta	280'	560'	SS, vf to fgr, white to tan, w/red and purple sltstn. - water	Kayenta	280	
Wingate	560'	856'	SS, vfg to fg, white to tan - water	Wingate	560	
Chinle	856'	TD	Sltstn, Hema. red, w/SS, white to clear w/green sltstn.	Chinle	856	
CORE: #1	1200'	1220'	Shale, slty, NS, No water			
#2	1220'	1247'	Shale & Siltstone, NS, No water			
#3	1350'	1380'	Shale, SS & sltstn. Lost bottom 10'. No perm. No por. NS. No water			
Interval below 1200' drilled with air. Had no water entry. Interval 0' to 318' not tested. Interval 318'-1200' made 35 gal water/minute.						